

TIDAL POWER SPECIAL UHPD 10W-40

Fully Synthetic MID-SAPS Heavy Duty Diesel Engine Oil

TIDAL POWER SPECIAL UHPD 10W-40 is a fuel conserving super high performance MID SAPS oil, designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low sulphur diesel fuel (max. 50 ppm). This product is formulated for use in Euro 5 and Euro 6 engines equipped with Diesel Particulate Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment system.

TIDAL POWER SPECIAL UHPD 10W-40 is formulated on high refined 100% synthetic base stock in combination with an special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particulate Filter (DPF).

TIDAL POWER SPECIAL UHPD 10W-40 meets the following performance criteria:

| | | | |
|-----------------|---|--|---|
| Approved | MB-approval 228.51 Mack EOS-4.5 | Volvo VDS-4.5 Deutz DQC IV-18-LA | Renault VI RLD-3 MTU Type 3.1 |
| Meets | ACEA E4/E6/E7/E9 MB 228.31 MAN M3775 Cummins CES 20086 Jaso DH-2-17 | API CK-4 Renault VI RLD-4 MAN M3477 Cummins CES 20081 Detroit 93K222 | MB 228.52 MTU Type 2.1 MAN M3271-1 Cat ECF-3 Scania Low-Ash |

Typical Analysis

| Properties | Unit | Method | Typical Value |
|------------------------------|--------------------|------------------------|------------------|
| SAE Grade | | SAE J300 | 10W-40 |
| Density @15 °C | kg/m ³ | ASTM 4052 | 860 |
| Kinematic Viscosity @ 40 °C | mm ² /s | ASTM D7042 | 95 |
| Kinematic Viscosity @ 100 °C | mm ² /s | ASTM D7042 | 14.5 |
| Viscosity Index | | ASTM D2270 | 159 |
| Viscosity CCS @ -25 °C, | cP | ASTM D5293 | 6200 |
| Flash Point COC | °C | ASTM D92 | >201 |
| Pour Point | °C | ASTM D7346 | -36 |
| Total Base Number | mgKOH/g | ASTM D2896 | 13.5 |
| Sulphated Ash | %Wt | ASTM D874 | 0.98 |
| Date Issued: 22-07-2022 | | Supersedes: 09-12-2021 | Revision Nr.: 06 |

